a plurality of spaced apart cylindrical rings positioned along a longitudinal axis, each of the cylindrical rings having a plurality of undulating elements in the form of a repeating pattern of substantially U-shaped members; and

a plurality of connecting members for connecting adjacent cylindrical rings; and

the cylindrical rings being positioned relative to each other so that the substantially U-shaped members of adjacent cylindrical rings are out of phase[.];

the cylindrical rings having a delivery diameter and an implanted diameter so that as the cylindrical rings are expanded from the delivery diameter to the implanted diameter at lest some of the substantially U-shaped members project radially outwardly.

B (continued)

2
[33.] ~~26.~~ (Amended) The intravascular stent of claim [32] 1
~~25~~, wherein at least some of the connecting members are substantially parallel to each other.

3
[34.] ~~27.~~ (Amended) The intravascular stent of claim [32] 1
~~25~~, wherein the cylindrical rings and connecting members are formed from a single piece of hollow tubing.

4
[35.] ~~28.~~ (Amended) The intravascular stent of claim [32] 1
~~25~~, wherein the substantially U-shaped members have a curved portion having a substantially uniform radius of curvature.

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[36.] ~~29.~~ (Amended) The intravascular stent of claim [35] 4 ~~28~~, wherein at least some of the curved portions of the substantially U-shaped members deform when the stent is expanded from [a] the delivery diameter, to [a] the larger implanted diameter, the deformed curved portions projecting radially outwardly as the stent is expanded to the larger implanted diameter.

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[37.] ~~30.~~ (Amended) The intravascular stent of claim [36] 5 ~~29~~, wherein the stent has a first end and a second end, at least some of the curved portions of the substantially U-shaped members forming the first end and the second end project radially outwardly when the stent is expanded from the delivery diameter to the larger implanted diameter.

B1 (continued)

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[38.] ~~31.~~ (Amended) The intravascular stent of claim [32] 1 ~~25~~, wherein the cylindrical elements and the connecting members are formed from a flat sheet of material.

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[39.] ~~32.~~ (Amended) The intravascular stent of claim [32] 1 ~~25~~, wherein the stent is formed from a metal alloy.

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[40.] ~~33.~~ (Amended) The intravascular stent of claim [39] 8 ~~32~~, wherein the metal alloy is taken from the group of metal alloys [including] comprising stainless steel and nickel-titanium.

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[41.] ~~34.~~ 10 (Amended) The intravascular stent of claim [32] ~~25~~ 1, wherein the connecting members between adjacent cylindrical elements are substantially the same length.

[42.] ~~35.~~ 11 (Amended) The intravascular stent of claim [32] ~~25~~ 1, wherein the plurality of U-shaped members have substantially the same size and shape.

[43.] ~~36.~~ 12 (Amended) The intravascular stent of claim [32] ~~25~~ 1, wherein at least five cylindrical elements are interconnected.

B1 (continued)

[44.] ~~37.~~ 13 (Amended) An intravascular stent for expanding and implanting in a body lumen, comprising:

a plurality of spaced-apart cylindrical rings positioned along a longitudinal axis, each of the cylindrical rings having a plurality of undulating elements in the form of a repeating pattern of substantially U-shaped members;

each of the substantially U-shaped members having a pair of sides connected by a curved portion; [and]

a plurality of struts for connecting adjacent cylindrical rings; and

the cylindrical rings being positioned relative to each other so that the substantially U-shaped members of adjacent cylindrical rings are out of phase[.] ;

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